

Datasheet for ABIN7479247

**ATP6V1G1 Protein (AA 2-118, full length) (GST tag)**[Go to Product page](#)**1** Image

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg  |
| Target:                       | ATP6V1G1  |
| Protein Characteristics:      | AA 2-118, full length                           |
| Origin:                       | Human   |
| Source:                       | Escherichia coli (E. coli)                      |
| Protein Type:                 | Recombinant                                     |
| Purification tag / Conjugate: | This ATP6V1G1 protein is labelled with GST tag. |
| Application:                  | ELISA   |

## Product Details

|                  |  |
|------------------|--|
| Sequence:        | ASQSQGIQQL LQAEKRAAEK VSEARKRKNNR RLKQAKEEAA AEIEQYRLQR EKEFKAKEAA<br>ALGSRGSCST EVEKETQEKM TILQTYFRQN RDEVLDNLLA FVCDIRPEIH ENYRING   |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity:          | 95 %   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | ATP6V1G1  |
| Alternative Name: | V-type proton ATPase subunit G 1 protein ( <a href="#">ATP6V1G1 Products</a> )  |
| Background:       | Catalytic subunit of the peripheral V1 complex of vacuolar ATPase (V-ATPase). V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. |

## Target Details

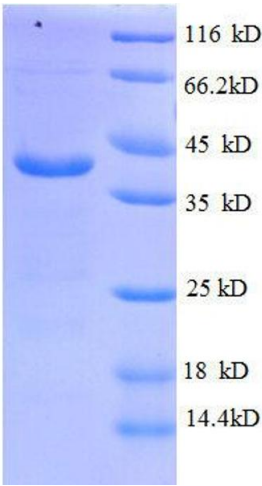
|                   |   |
|-------------------|---|
| Molecular Weight: | 41 kD   |
| UniProt:          | <a href="#">O75348</a>  |
| Pathways:         | <a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Proton Transport</a> |

## Application Details

|               |  |
|---------------|--|
| Comment:      | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only  |

## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Concentration:   | 0.2-2 mg/mL   |
| Buffer:          | Tris-based buffer, 50 % glycerol  |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage:         | -20 °C  |
| Storage Comment: | Store at -20 °C for extended storage, conserve at -20 °C or -80 °C                                  |



**SDS-PAGE**

**Image 1.** ATPase, H<sup>+</sup> Transporting, Lysosomal 13kDa, V1 Subunit G1 (ATP6V1G1) (AA 2-118), (full length) protein (GST tag)